



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Weixun Cao
Title: DIRECT MODULATION OF A POWER AMPLIFIER WITH
ADAPTIVE DIGITAL PREDISTORTION
Serial No.: 10/645,261
Filing Date: 08/20/03
Examiner:
Group Art Unit:
Docket No.: _____

September 10, 2003

Mail Stop: IDS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

UNDER 37 CFR 1.56 and 1.97(b)

Dear Sir:

The reference listed in the attached PTO Form 1449, a copy of which is attached, may be material to examination of the above-identified patent application. The submission herewith does not constitute an admission of the reference as the prior art or an exhaustive search in the art. The applicant submits the reference in compliance with his duty of disclosure pursuant to 37 CFR 1.56 and 1.97. It is respectfully requested that the cited reference be considered and that the enclosed copy of Information Disclosure Statement be initialed by the Examiner to indicate such consideration and a copy thereof returned to the applicant.

This Information Disclosure Statement is believed to be filed before the mailing date of a first Office Action on the merits. Accordingly, the applicant believes that there are no fees due in connection with the filing of this Information Disclosure

Respectfully Submitted,

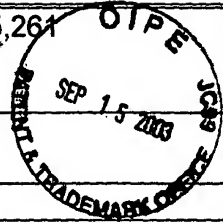
Dated this 10th day of September, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop: IDS, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450,

on Sept. 10, 2003.

Weixun Cao
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Form PTO-1449 (Modified)		Atty Docket No.:		Application No.: 10/645,264			
List of Patents and Publications Statement (Use several sheets if necessary)				Applicant: Weixun Cao			
				Filing Date: 08/20/2003			
REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Examiner Initials		Document No.	Date	Patentee	Class	Sub- Class	Filing date if appropriate
	A.						
	B.						

FOREIGN PATENT DOCUMENTS							
No.		Document No.	Date	Country	Class	Sub-Class	Trans- lation
	C.						
	D.						
	E.						

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)			
F.	D. C. Cox, "Linear Amplification using Nonlinear Components", IEEE Transactions on Communications, Vol. COM-22, December 1974, pp.1942-1945.		
U.	L. R. Kahn, "Single-sideband transmission by envelope elimination and restoration", Proceedings of the IRE, Vol. 40, July 1952, pp.803-806.		
V.	A. S. Wright and W.G. Durtler, "Experimental Performance of an Adaptive Digital Linearized Power Amplifier", IEEE Trans. on Vehicular Technology, Vol. 41, no.4, November 1992, pp.395-400.		
W.	M. H. Perrot, T. L. Tewksburg III, C. G. Sodini, "A 27-mW CMOS Fractional-N Synthesizer Using Digital Compensation for 2.5-Mb/s GFSK Modulation", IEEE Journal of Solid-State Circuits, vol.32, No.12, Dec. 1997, pp.2048-2060.		
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<table border="1"> <tr> <td>Examiner</td> <td>Date Considered</td> </tr> </table>		Examiner	Date Considered
Examiner	Date Considered		
<p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			